

# DR. ANTOINE-EMMANUEL SALIBA

## Group Leader

Helmholtz Institute for RNA-based Infection Research (HIRI)

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### Education

2009 PhD, Institut Curie, Paris, France

2005 MSc, MEng, Biotechnology and Biochemistry, INSA, Toulouse, France

### Positions

2017- present Group Leader, Helmholtz Institute for RNA-based Infection Research (HIRI), Würzburg, Germany

2016 - 2017 Assistant Professor (Maître de Conférences), University of Strasbourg, France

2013 - 2016 Postdoc, RNA Biology, Institute of Molecular Infection Biology (IMIB), Würzburg, Germany

2009 - 2013 EIPOD (EMBL Interdisciplinary Postdoc) Fellow, Department of Structural & Computational Biology and Department of Cell Biology & Biophysics, EMBL Heidelberg, Germany

### Committee Work

2017 Advisory Board, Next Generation Sequencing & Single Cell Analysis Congress, London, UK

2010 - 2011 Initiator and Co-organizer of Microfluidics meets Biology at EMBL, with Christophe Merten

2007 Assistant Member of the Technical Committee of MicroTAS Conference

### Awards & Honors

Member of the Administrative Council of the Fondation Georges Besse – Fondation de France (2014 - 2019), PostdocPlus Grant – University of Würzburg (2013), Deputy Treasurer of the Fondation Georges Besse – Fondation de France (2010 - 2019), EIPOD Postdoc Fellowship (2009), DGA (Ministry of Defense) PhD Fellowship (2005), INSA Toulouse Alumni Award (2005), Georges Besse Foundation Laureate (2004)

### Selected Publications

Pezoldt J, Pasztoi M, Beckstette M, Vafadarnejad E, Zou M, Floess S, Arampatzi P, Buettner M, Schweer J, Fleissner D, Vital M, Pieper DH, Basic M, Dersch P, Strowig T, Hornef M, Bleich A, Bode U, Pabst O, **Saliba AE**, Huehn J (2018)

*Neonataly imprinted mesenteric lymph node stromal cell subsets modulate dendritic cell properties*

*Nature Communications* 9(1):3903

Müller SM, Cosentino RO, Förstner KU, Guizzetti J, Wedel C, Kaplan N, Janzen CJ, Arampatzi P, Vogel J, Steinbiss S, Otto TD, **Saliba AE**, Sebra RP, Siegel TN (2018)

*Histone variants restrict chromatin organization and antigenic variation in trypanosomes*

*Nature* 563(7729):121-125

Cochain C\*, Vafadarnejad E\*, Arampatzi P, Pelisek J, Winkels H, Ley K, Wolf D, **Saliba AE**#, Zernecke A# (2018)

*Single-cell RNA-seq reveals the transcriptional landscape and heterogeneity of aortic macrophages in murine atherosclerosis*

*Circulation Research* 122(12):1661-1674

**Saliba AE**, Li L, Westermann AJ, Appenzeller S, Schulte LN, Helaine S, Vogel J (2016)

*Single-cell RNA-seq ties macrophage polarization to growth rate of intracellular Salmonella*

*Nature Microbiology* 2:16206

**Saliba AE**, Westermann AJ, Gorski SA, Vogel J (2014)

*Single-cell RNA sequencing: advances and future challenges*

*Nucleic Acid Research* 42(14):8845-60